

CLAIMS:

1. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space,
 5 wherein

by exhausting said inside space when sealing, a sealing glass is made broken down and a clearance gap between said substrates is controlled to be as desired.

10 2. A manufacturing method for a gas discharge type display panel in Claim 1, wherein

an amorphous glass or an amorphous glass including a filler are used for sealing a substrate.

15 3. A manufacturing method for a gas discharge type display panel in Claim 1, wherein

a supply and exhaust pipe is formed on an outside surface of said substrate by using a glass material having a heat resistance higher than said substrate sealing glass.

20 4. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space,

25 wherein

a gas unnecessary for an discharge operation is exhausted from said inside space (if) a state of said amorphous sealing glass is located in a temperature range exceeding its softening point and no more than its working point.

5. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space,
 5 wherein

said couple of substrates are sealed at least doubly by sealing glasses each having an individual softening point different from each other.

10 6. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space,
 15 wherein

a protruding portion having a curvature radius between 0.1 mm and 1mm is formed on an overall periphery of said sealing glass at its inside space.

7. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space,
 20 wherein

at least at one portion of a surrounding area of said substrate, a cross-section of said sealing glass viewed vertically to a substrate is shaped so as to be convex with
 25 respect to an inside space at both its inside space end part and its outside end part.

8. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space,
 30 wherein

at least at one portion of a surrounding area of said substrate, a concentration of filler at an inside space end part of said sealing glass is larger than that in other portions.

- 5 9. A manufacturing method for a gas discharge type display panel in which a couple of substrates are arranged to be facing to each other, a surrounding area of said substrate is sealed by a sealing glass, and an inside space is used as a discharge space by sealing a discharge gas in an internal space, wherein

- 10 a glass layer having a heat resistance higher than said sealing glass is formed so as to be adjacent to an inside space end part of said sealing glass or within 2 mm from an end part.